

# Search Notes



Application/Control No.

10/814,788

Examiner

HERBERT J. LILLING

Applicant(s)/Patent under Reexamination

ANGLE ET AL.

Art Unit

1651

## SEARCHED

Class	Subclass	Date	Examiner
435	168	8/1/2006	HJL
47	58.1R		
75	711		
435	262		
75	712		
210	602		
210	681		
210	682	8/1/06	Jgl

## INTERFERENCE SEARCHED

Class	Subclass	Date	Examiner
435	168	8/1/2006	HJL

## SEARCH NOTES (INCLUDING SEARCH STRATEGY)

### WEST Search History

Hide Items Restore Clear Cancel

DATE

EXMR

08-01-06

Tuesday, August 01, 2006

Set Name Query

DB=PGPB,USPT,EPAB,JPAB,DWPI,TDBD; !LUR=YES; OP=ADJ

L22 117 and rhizobacteria

L21 120 and bacteria

L20 L19 and alyssum

L19 20030140670

L18 L17 and rhizobacteria

L17 10/814788

L16 genus adj25 rhizobacteria

L15 genus (p) rhizobacteria

L14 genus rhizobacteria

L13 rhizobacteria adj2 comprising

L12 rhizobacteria comprising

L11 rhizobacteria adj25 liquefaciens

L10 19 and plant\$ and soil

L9 L8 and (microbacteria or rhizobacteria or liquefaciens or arabinogalactanolyticum or nitrifying)

L8 L7 and @pd<20040401

L7 L6 and (extract or extracting or extracted or phytoremedia\$ or phytomining) and (metal or zinc or copper or zn or cu or nickel or ni)

L6 (435/168.ccls. or 75/711.ccls. or 435/712.ccls. or 435/262.ccls. or 210/602.ccls. or 210/682.ccls. )

L5 L4 not l3

L4 (5944872 or 5711784) and alyssum and (bacteria or bacterium or microbacteria or rhizobacteria or liquefaciens or arabinogalactanolyticum)

L3 L2 and (microbacteria or rhizobacteria or arabinogalactanolyticum or liquefaciens)

L2 L1 or (20020157128 or 6657106 or 6159270 or 5785735)

L1 ((bacteria or bacterium or microbacteria or liquefaciens or arabinogalactanolyticum) and alyssum ) and extract\$ and (metal or ni or fe or mg or copper or nickel or zinc)

Hit Count

1

1

1

2

1

1

9

0

0

1

0

0

9

10

437

511

1989

3

5

8

59

35

07/31/06

Jgl

S15212 U PGPB,USPT,EPAB,JPAB,DWPI,TDBD ((bacteria or bacterium or microbacteria 2006-07-31 or liquefaciens or arabinogalactanolyticum) and alyssum ) 21:15:56 and extract\$ and (metal or ni or fe or mg or copper or nickel or zinc)

S15211 U PGPB,USPT,EPAB,JPAB,DWPI,TDBD ((bacteria or bacterium or microbacteria 2006-07-31 or liquefaciens or arabinogalactanolyticum) ) and alyssum 21:14:46

S15210 U PGPB,USPT,EPAB,JPAB,DWPI,TDBD (bacteria or bacterium or microbacteria 2006-07-31 or liquefaciens or arabinogalactanolyticum) 21:14:28

S15209 U PGPB,USPT,EPAB,JPAB,DWPI,TDBD ALYSSUM AND 435/168.CCLS. and (bacteria or bacterium or microbacteria 2006-07-31 or liquefaciens or arabinogalactanolyticum) 21:13:35

S15208 U PGPB,USPT,EPAB,JPAB,DWPI,TDBD 6786948 2006-07-31

S15207 U PGPB,USPT,EPAB,JPAB,DWPI,TDBD 5,944,872 OR 5,711,784 21:09:43

S15206 U PGPB,USPT,EPAB,JPAB,DWPI,TDBD ALYSSUM AND 435/168.CCLS. 2006-07-31

S15205 U PGPB,USPT,EPAB,JPAB,DWPI,TDBD ALYSSUM AND 435/168.CCLS. 21:02:20

## APPLICANTS Search

Jay Scott Angle, Ellicott City, MD;

Rufus L. Chaney, Beltsville, MD;

Reda Abdelaziz Abou-Shanab, Alexandria, EGYPT;

Peter Van Berkum, Columbia, MD;